GOVERNMENT OF INDIA
EXTERNAL AFFAIRS
LOK SABHA

UNSTARRED QUESTION NO:3651
ANSWERED ON:16.08.2000
SIMULATION OF NUCLEAR TESTS
SHANKAR PRASAD JAISWAL

Will the Minister of EXTERNAL AFFAIRS be pleased to state:

:

(a) whether the US scientists have achieved a breakthrough in three-dimensional computer simulations of detonations;

(b) if so, the details thereof; and

(c) the Governments` assessment about its impact on global nuclear disarmament?

Answer

THE MINISTER OF STATE FOR EXTERNAL AFFAIRS (SHRI AJIT KUMAR PANJA)

(a), (b), & (c) Government have seen newspaper reports that scientists at the US nuclear weapons laboratories have carried out three-dimensional simulations of the thermonuclear warhead as its explodes. It is claimed that, in this way, scientist can study the reaction of materials being compressed and exploded and also understand the ageing of nuclear warhead components. The technological details of this development of nuclear weapons will enhance their salience and render difficult, decisive movement towards global nuclear disarmament.